### UNITED STATES PATENT AND TRADEMARK OFFICE

### **CERTIFICATE OF CORRECTION**

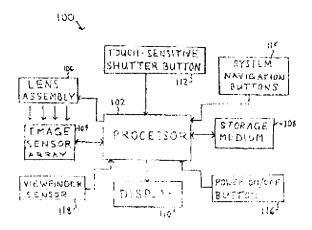
PATENT NO. : 7,027,094 B2 Page 1 of 5

APPLICATION NO.: 09/885064
DATED: April 11, 2006
INVENTOR(S): Amy E Battles et al.

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

The title page showing the illustrative figure should be deleted to be replaced with the attached title page.

In the drawings:



On sheet 1 of 3, delete "

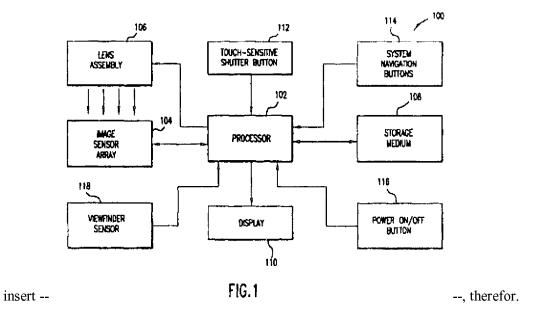
FIG. 1

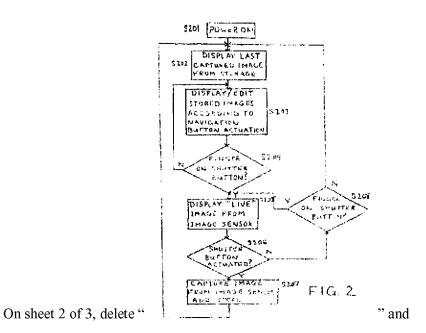
" and

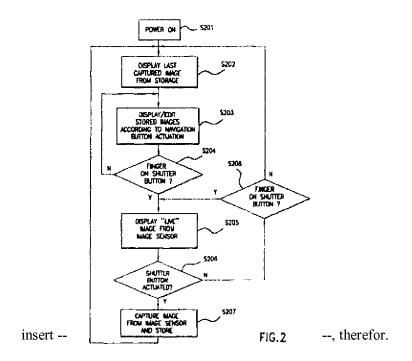
Signed and Sealed this

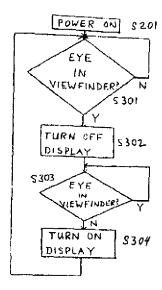
Seventh Day of September, 2010

David J. Kappos Director of the United States Patent and Trademark Office



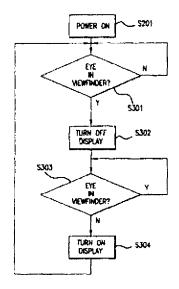






On sheet 3 of 3, delete "

FIG. 3 "and



insert -- FIG.3 --, therefor.

# (12) United States Patent Battles et al.

## (10) Patent No.: US 7,027,094 B2 (45) Date of Patent: Apr. 11, 2006

(54)	MODELESS DIGITAL STILL CAMERA
	USING TOUCH-SENSITIVE SHUTTER
	RUTTON

- (75) Inventors: Amy E Battles, Windsor, CO (US); Kenneth Jay Hall, Windsor, CO (US);
  - David J Staudacher, Ft Collins, CO

(US)

(73) Assignee: Hewlett-Packard Development

Company, L.P., Houston, TX (US)

(\*) Notice: Subject to any disclaimer, the term of this

patent is extended or adjusted under 35 U.S.C. 154(b) by 817 days.

(21) Appl. No.: 09/885,064

- (22) Filed: Jun. 21, 2001
- (65) Prior Publication Data

US 2002/0196357 A1 Dec. 26, 2002

(51) Int. Cl. #04N 5/222 (2006.01) #104N 5/225 (2006.01) G03B 15/06 (2006.01)

See application file for complete search history.

#### (56) References Cited

#### U.S. PATENT DOCUMENTS

4.837.628 A	6/1989	Sasaki 358/209
4,885,643 A		Ichimura et al 358/335
5.497.193 A		Mitsuhashi et al 348/231
		Hiraki et al 348/333.13
5.845.161 A *	12/1998	Schrock et al 396/313

5,867,742	Λ	2/1999	Salvas et al
5,923,908	A *	7/1999	Schrock et al 396/263
6,091,450	Α *	7/2000	Hirasawa 348/333.01
6,122,003	A *	9/2000	Anderson 348/207.99
6,137,534	Α	10/2000	Anderson 348/222
6,184,930	Bt	2/2001	Mitsuhashi et al 348/333.01
6,535,694	B1 *	3/2003	Engle et al 396/263
6,597,400	B1 *	7/2003	Nishimura 348/333.02
6,734,910	B1 *	5/2004	Yumoto et al 348/333.05
6,822,683	B1 *	11/2004	Torikai 348/333.13
6,919,927	B1 *	7/2005	Hyodo 348/333.02
2002/0054233	Al*	5/2002	Juen 348/333.01
2004/0183934	Al*	9/2004	Tatamiya 348/333.02
2005/0184972	AI*	8/2005	Tashiro et al 348/173

#### FOREIGN PATENT DOCUMENTS

JP	54033030 A	+	3/1979
л	10313422 A	. +	11/1998
JP	1125488 A		9/1999
JP	2000138854 A	. *	5/2000
JР	2000165705 A	*	6/2000
JP	2003046856 A	. +	2/2003

\* cited by examiner

Primary Examiner—Ngoc-Yen Vu Assistant Examiner—John M. Villecco

#### (57) ABSTRACT

A modeless electronic imaging apparatus, such as a digital still camera, uses a touch-sensitive shutter button to automatically display "live" images from an image sensor whenever a user touches the shutter button. When the user is not touching the shutter button, the apparatus displays stored image data of the last stored image, or may display menu data according to actuation of system navigation buttons. The apparatus does not require the switching of modes between image capture mode and stored image display mode, but is always capable of image capture as well as stored image display.

#### 14 Claims, 3 Drawing Sheets

